



## GroundPro Design and Install Notes

January 2021

**\*Please find more complete directions in the product specifications and brochure material. This is intended to be a supplement for certain specific conditions.**

- 1. Make sure enough GroundPro has been ordered to cover the area needed.** Once the road base is installed the GroundPro rolls will install quickly. A crew of 3 should be able to install 4,000-6,000sf of GroundPro in a normal work day. 3-4 hours for the rolls to be rolled out and connected and another 2-3 hours for the installation of the sand fill using a small skid loader and some brooms/rakes for finish grading prior to sod installation.
- 2. The road base depth should be called out in the drawings and/or specifications.** If it is not we can give some basic guidelines but the existing soils and intended traffic loads drive depth design. Also consider drainage carefully, if under-drains or grading changes are needed, installing these under the road base is ideal for the best drainage results. It is advantageous to put a fabric layer (4 or 6 oz non-woven if possible) between the sub-grade and the road base layers. Sieve analysis for road base should be roughly as follows but confirm with supplier that it compacts to 95% and free-drains most importantly- **SIEVE % PASSING- 1" 100% 3/4" 90-100% 3/8" 70-80% #4 55-70% #10 45-55% #40 25-35% #200 3-8%**
- 3. Road base should follow the sieve analysis in the specs as close as possible.** It needs to be free draining and compactable to 95%. **IT CAN NOT BE RECYCLED ASHPALT, RECYCLED CONCRETE OR OTHER RECYCLED PAVING MATERIAL.** Growing grass in a road base requires pure gravel and sand properties.
- 4. When seeding, particularly for native seed, please consider the following:** After installing road base and GroundPro units per manufacturer specifications, amend/mix the sharp, clean masonry sand with 20% peat or similar organic material. Topsoil/peat dusting of no more than 1/2" (to simulate the root mass and topsoil found on a roll of sod) and hydro-seeding application applied immediately after topsoil/peat dusting placement. The hydro-seeding should include some tackifier or similar and Ryegrass (for early germination) with a mulch cover for improved water retention. Water generously in the first year if sufficient natural precipitation does not occur to get the seed to germinate and root zone to develop adequately before traffic accesses the GroundPro area.
- 5. Be sure the root zone has penetrated into the road base** and achieved good development before any significant traffic is allowed to access GroundPro areas.
- 6. Watering the grass or turf in the first 1-2 years of establishment is very important.** Depending on the natural amounts of precipitation during the root establishment period, the GroundPro may require more irrigation than surrounding non- GroundPro areas for a year or two.